Franz Geiger Northwestern University Department of Chemistry grant# CHE-0348873 TEEC MOS POS scientists and Los Alamos National NU Laboratory Navajo physicist Dr. Fred Begay have started a broader impact program focusing on artesian well water quality on the Navajo Reservation. Using EPA data from the 2000 Abandoned Uranium Mines Project, 2003 REST teacher-intern Scot Ankeney built a web ROUTE 157 page for water well quality assessment at www.chem.northwestern.edu/~geigerf/nav/index.html. Our web page is widely accessible through the extensive Navajo Nation chapterhouse and library networks. It benefits the Navajo population as the original EPA data was not widely distributed to the local area residents. In 2004, NU freshman environmental scientist Joseph Hoover and Shiprock High senior student Christell Begay carried out a field campaign in the Red Valley Chapter and tested commercial water filters at eight popular water wells. A marketing campaign that promotes pitcher filter use on the reservation in return for free pitcher filter distribution is currently being

developed with the NU business school.

Click on the name of the contaminant for more information about possible health risks associated with that contaminant Metal Conteminants Radioactive Contaminants Aluminum Lead-210 Redium-226 Armenic Radium: 228 Barium Thorlum 228 0.124 Cadmium Thorsum:230 Chromium Thorium-232 4750 67.8 Uranium-234 Load Unanium: 235 Mercury Unantum-236 Selentun Alpha particles Beta particles all numbers are in micrograms per Liter